

Attorney's Docket No. K&A 21-0781  
Client's Docket No. LOA337

**APPLICATION**

**FOR UNITED STATES LETTERS PATENT**

----

**SPECIFICATION**

TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN THAT I, **RHONDA BRENT**, a citizen of  
UNITED STATES OF AMERICA, have invented a new and useful  
**MOTORCYCLE HELMET** of which the following is a  
specification:



# MOTORCYCLE HELMET

5

## BACKGROUND OF THE INVENTION

### Field of the Invention

10

The present invention relates to sound devices mounted in a helmet and more particularly pertains to a new motorcycle helmet for permitting a user to listen to a compact disk while wearing a helmet.

15

### Description of the Prior Art

The use of sound devices mounted in a helmet is known in the prior art. U.S. Patent No. 5,136,657 describes a device for being  
20 mounted in a helmet for allowing a user to listen to pre-recorded material while wearing the helmet. Another type of sound device mounted in a helmet is U.S. Patent No. 4,077,007 having a radio and antennae mounted in a helmet for picking up radio broadcasts and playing for the wearer to hear. U.S. Patent No. 4,524,461 has a  
25 radio system for receiving for the user of the helmet to hear and transmitting radio signals for the user. U.S. Patent No. 5,280,651 having a portable sound system for generating audio signals for a user to hear while wearing headphones. U.S. Patent No. 5,462,421 has a helmet having a plurality of speakers coupled to a jack for

being plugged into a portable audio device to allow a user to listen to music while wearing the helmet.

While these devices fulfill their respective, particular  
5 objectives and requirements, the need remains for a device that has certain improved features that allows a user to wear a protective helmet and listen audio compact disks.

## 10 SUMMARY OF THE INVENTION

The present invention meets the needs presented above by providing a playing assembly positioned in a helmet that reads audio compact disks and has a plurality of speaker to audibly  
15 transmit the music to the user.

Still yet another object of the present invention is to provide a new motorcycle helmet that allows a user to listen to audio compact discs while wearing a protective helmet.

20 To this end, the present invention generally comprises a helmet being designed for protecting a head of a user from impact. The helmet has a perimeter wall defining an interior space. The perimeter wall has a lower peripheral lip defining a lower opening  
25 whereby the lower opening is designed for permitting the head of the user to be inserted into the interior space of the helmet. The perimeter wall has a forward peripheral lip defining a front opening whereby the front opening is designed for permitting the user to see when the head of the user is positioned in the interior space. A  
30 playing assembly is positioned in the perimeter wall of the helmet. The playing assembly is designed for reading audio information

from a compact disc. Each of a plurality of speakers is positioned in the perimeter wall of the helmet. Each of the speakers is operationally coupled to the playing assembly. Each of the speakers is designed for audibly playing the audio information read  
5 by the playing assembly.

There has thus been outlined, rather broadly, the more important features of the invention in order that the detailed description thereof that follows may be better understood, and in  
10 order that the present contribution to the art may be better appreciated. There are additional features of the invention that will be described hereinafter and which will form the subject matter of the claims appended hereto.

15 The objects of the invention, along with the various features of novelty which characterize the invention, are pointed out with particularity in the claims annexed to and forming a part of this disclosure.

## 20 BRIEF DESCRIPTION OF THE DRAWINGS

The invention will be better understood and objects other than those set forth above will become apparent when consideration is given to the following detailed description thereof. Such  
25 description makes reference to the annexed drawings wherein:

Figure 1 is a perspective view of a new motorcycle helmet according to the present invention.

30 Figure 2 is a side view of the present invention with the lid member in the open position.

Figure 3 is a front view of the present invention.

Figure 4 is a top view of the present invention taken along line 4-4 of Figure 3.

5 Figure 5 is a cross-sectional view of the present invention taken along line 5-5 of Figure 3.

## DESCRIPTION OF THE PREFERRED EMBODIMENT

10 With reference now to the drawings, and in particular to Figures 1 through 5 thereof, a new motorcycle helmet embodying the principles and concepts of the present invention and generally designated by the reference numeral 10 will be described.

15 As best illustrated in Figures 1 through 5, the motorcycle helmet 11 10 generally comprises a helmet 11 being designed for protecting a head of a user from impact. The helmet 11 has a perimeter wall 12 defining an interior space 13. The perimeter wall 12 has a lower peripheral lip 14 defining a lower opening 15  
20 whereby the lower opening 15 is designed for permitting the head of the user to be inserted into the interior space 13 of the helmet 11. The perimeter wall 12 has a forward peripheral lip 16 defining a front opening 17 whereby the front opening 17 is designed for permitting the user to see when the head of the user is positioned in  
25 the interior space 13.

A playing assembly 18 is positioned in the perimeter wall 12 of the helmet 11. The playing assembly 18 is designed for reading audio information from a compact disc.

30

Each of a plurality of speakers 19 is positioned in the perimeter wall 12 of the helmet 11. Each of the speakers 19 is

operationally coupled to the playing assembly 18. Each of the speakers 19 is designed for audibly playing the audio information read by the playing assembly 18.

5           The helmet 11 has a visor portion 20. The visor portion 20 is positioned in the front opening 17 of the helmet 11. The visor portion 20 is designed for deflecting wind around the helmet 11 and out of the eyes of the user.

10           A plurality of buttons 21 is operationally coupled to the playing assembly 18. The buttons 21 are positioned in the perimeter wall 12 of the helmet 11 proximate the front opening 17 of the helmet 11 whereby the buttons 21 are designed for being easily accessible by the user. Each of the buttons 21 is for  
15           controlling a function of the playing assembly 18 when the buttons 21 are actuated by the user.

            The buttons 21 comprise a play button 22. The play button 22 is for actuating the playing assembly 18 whereby the playing  
20           assembly 18 reads audio information from the compact disk received by the playing assembly 18.

            The buttons 21 comprise a stop button 23. The stop button 23 is for actuating the playing assembly 18 whereby the playing  
25           assembly 18 discontinues reading of audio information from the compact disc when the user has previously actuated the play button 22.

            The buttons 21 comprise a pause button 24. The pause button  
30           24 is for actuating the playing assembly 18 whereby the playing

assembly 18 pauses reading of audio information from the compact disc when the pause button 24 is actuated once by the user. The playing assembly 18 is designed for resuming reading of audio information from the compact disc when the pause button 24 is  
5 actuated a second time by the user.

The buttons 21 comprise a search button 25. The search button 25 is for actuating the playing assembly 18 whereby the playing assembly 18 fast forwards through the audio information  
10 from the compact disc when the user has previously actuated the play button 22.

The buttons 21 comprise a skip button 26. The skip button 26 is for actuating the playing assembly 18 whereby the playing  
15 assembly 18 skips to the audio information of the next song on the compact disc when the user has previously actuated the play button 22.

The buttons 21 comprise a volume button 27. The volume  
20 button 27 is for actuating the playing assembly 18 for controlling the volume of the speakers 19.

The helmet 11 has a lid member 28. The lid member 28 is pivotally coupled to the perimeter wall 12 of the helmet 11. The  
25 lid member 28 is positioned adjacent the playing assembly 18. The lid member 28 is pivotable between an open position and a closed position. The lid member 28 is designed for permitting the compact disc to be operationally coupled to the playing assembly 18 when the lid member 28 is in the open position. The lid member 28 is

designed for covering the compact disc when the lid member 28 is the closed position.

A lid button 29 is operationally coupled to the lid member 28.

5 The lid button 29 is positioned in the perimeter wall 12 of the helmet 11 proximate the front opening 17 of the helmet 11 whereby the lid button 29 is designed for being easily accessible by the user. The lid button 29 is for permitting the lid member 28 to be pivoted between the open position and the closed position when the lid  
10 button 29 is actuated by the user.

In use, the user depresses the lid button 29 and inserts a compact disc into the playing assembly 18 when the lid member 28 has reached the open position. The user then closes the lid member  
15 28 and puts the helmet 11 on. The play button 22 can then be depressed to allow the user to listen to the music on the compact disc. The other buttons 21 can then be used to adjust playback of the compact disk.

20 With respect to the above description then, it is to be realized that the optimum dimensional relationships for the parts of the invention, to include variations in size, materials, shape, form, function and manner of operation, assembly and use, are deemed readily apparent and obvious to one skilled in the art, and all  
25 equivalent relationships to those illustrated in the drawings and described in the specification are intended to be encompassed by the present invention.

Therefore, the foregoing is considered as illustrative only of  
30 the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the



art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention.

100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000